

**QUERY-BASED CALL ROUTING MECHANISM FOR  
MULTINODE COOPERATIVE TELECOMMUNICATION NETWORK**

**ABSTRACT**

A query message-based call routing mechanism for a limited access cooperative telecommunication network initially determines whether the called party is commonly located at the same node as the calling party. If not, the calling party node broadcasts a query message to all other nodes in the network to locate the called party. Only the node having local knowledge of the called extension will reply to the query message. Once the node sourcing the query message has received this reply message, it will place a call to the node servicing the called extension.